



NOAA, NATIONAL WEATHER SERVICE MIAMI, FL

RAINFALL EVENT OF SEPTEMBER 28-29, 2010

Deep tropical moisture surged northward into South Florida from the western Caribbean Sea late on September 27th, and remained in place through the evening of the 29th before much drier air moved into the region from the west. This moisture was associated with the northern periphery of short lived Tropical Storm Nicole.

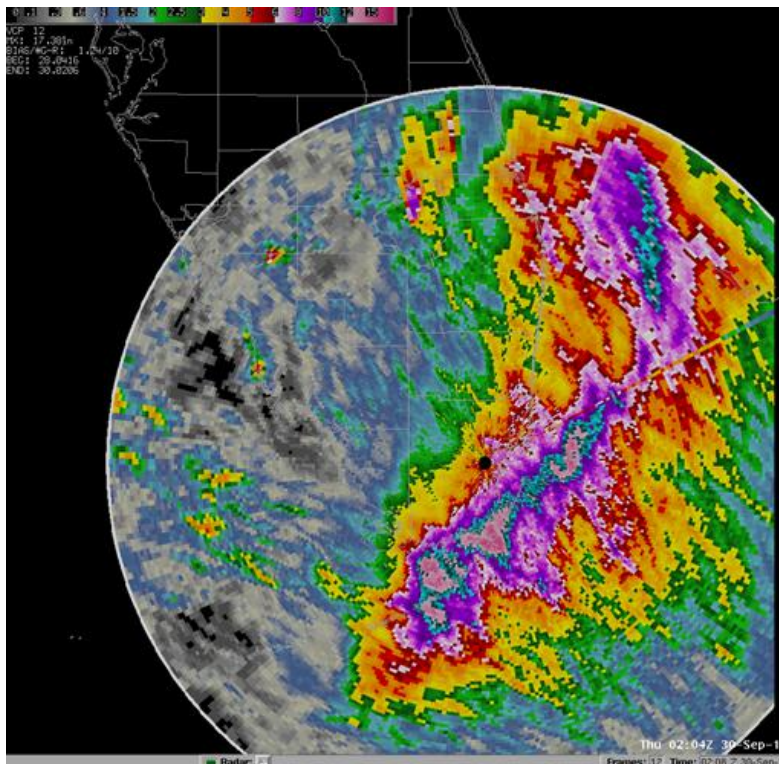


Image: Storm total rainfall estimated from the KAMX Miami Doppler Weather Radar (for the event, 9/28-9/30)

Rainfall averaged 2-5" Atlantic coast, with localized amounts in the 6-8" range.

Much lower amounts occurred along the Gulf coast, with amounts averaging just around an inch.

An axis of 10"+ amounts fell from the upper Keys out over the local Atlantic waters. 12.71" of rain was measured at N. Key Largo.

Below are >3” two day rainfall totals (8 AM 9/28 - 8 AM 9/30):

City	Rainfall (inches)
Miami Beach	7.20
South Miami	6.10
WFO Miami	6.00
Miami	5.83
Perrine	5.65
North Miami Beach	5.56
Juno Beach	5.47
Hialeah	5.35
Hollywood	5.10
Homestead General	4.58
Palm Beach Gardens	4.17
Tamiami	4.12
Cooper City	4.10
Opa-Locka	3.47

Below is another rainfall map from the South Florida Water Management District depicting storm total rainfall.

